

APPLN. FILING DATE: JUNE 22, 2001

TITLE: AN ANTENNA FOR A PORTABLE COMMUNICATION

... APPARATUS COMPRISING SUCH AN ANTENNA

INVENTOR(S): ERLAND CASSEL ET AL.

APPLICATION NO.:

SHEET 1 OF 12

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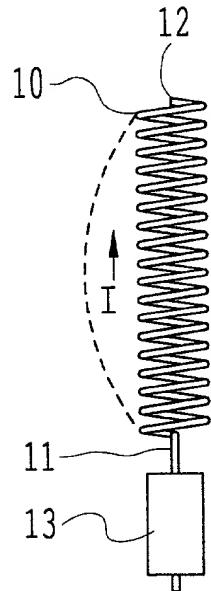


Fig. 1

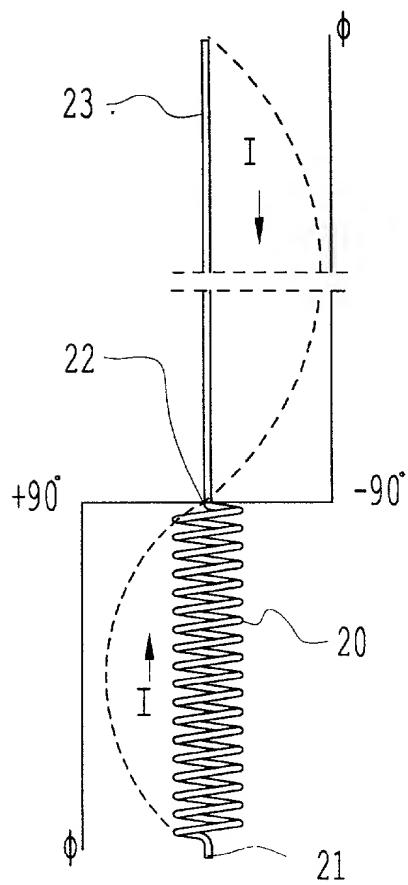


Fig. 2

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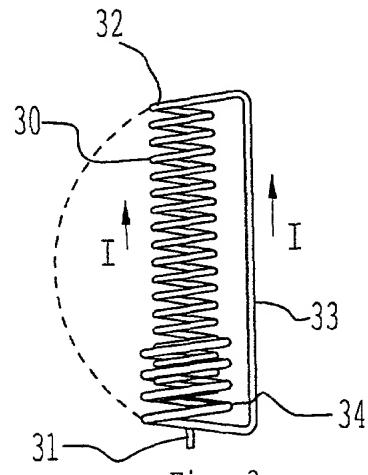


Fig. 3

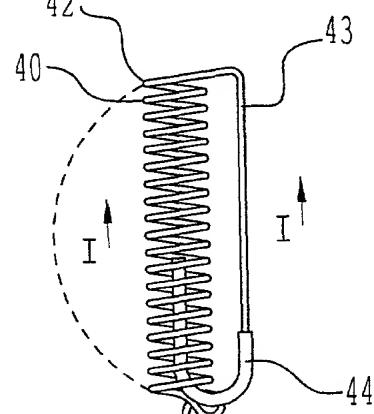


Fig. 4

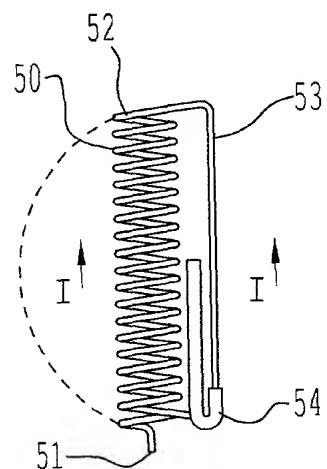


Fig. 5

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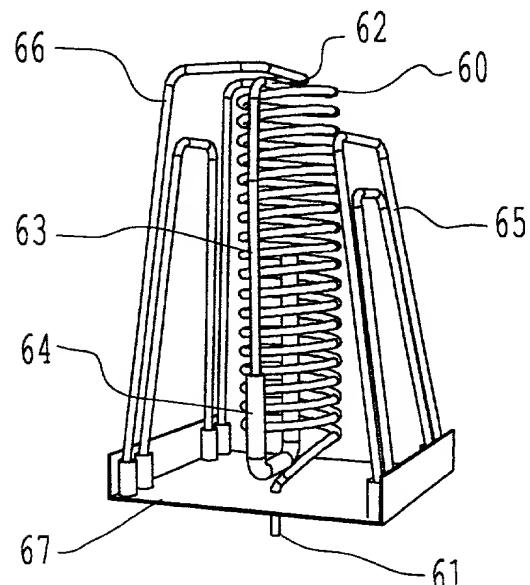


Fig. 6

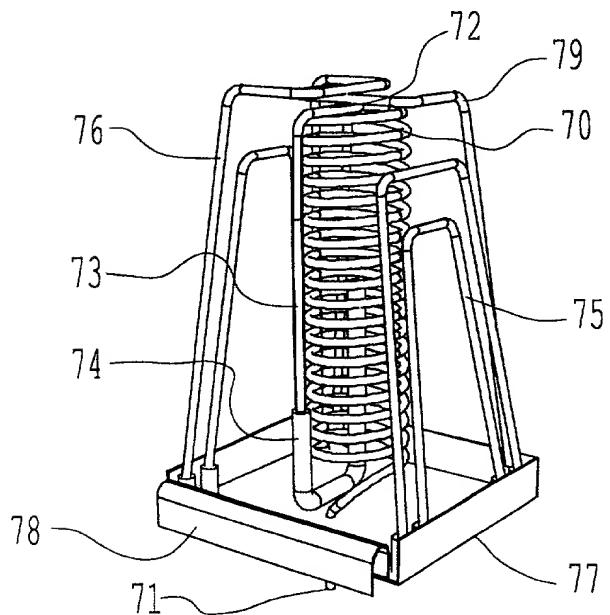


Fig. 7

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CH1 S_{11} SWR 500 m/ REF 1 3 1.2462
CH2 S_{12} log MAG 2dB/ REF -30 dB 3: -23.147 dB

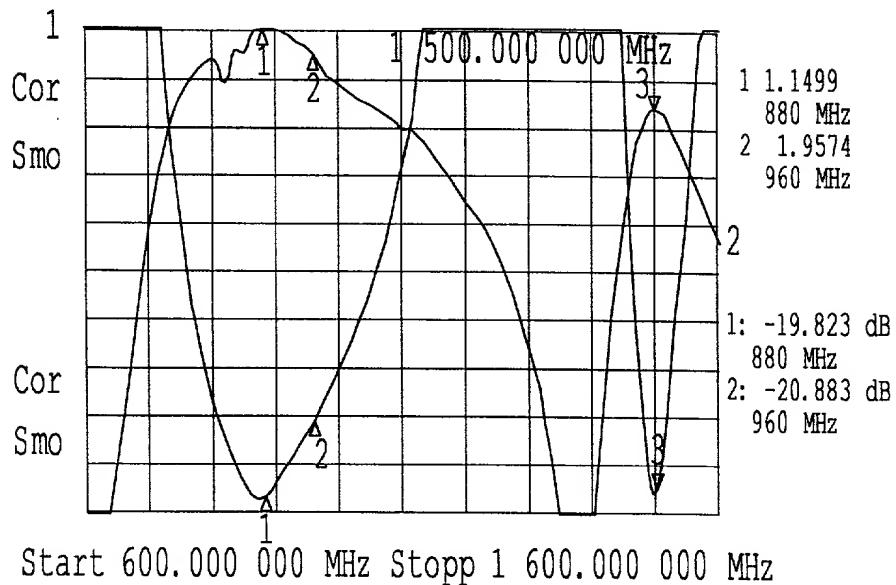


Fig. 8

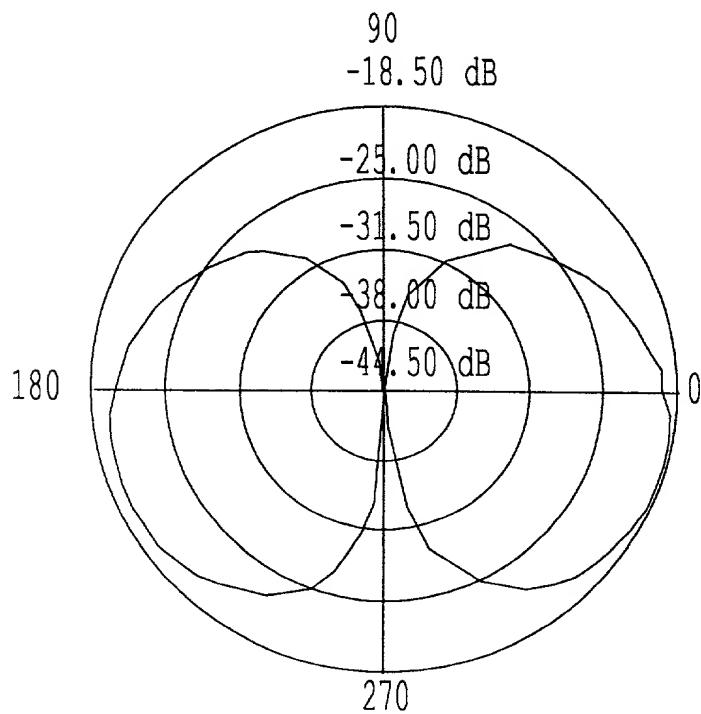


Fig. 9

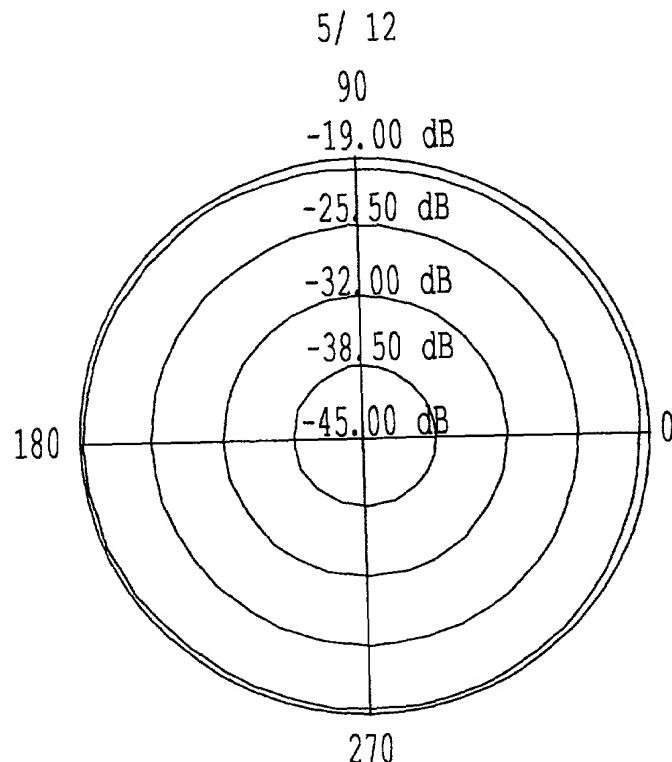


Fig. 10

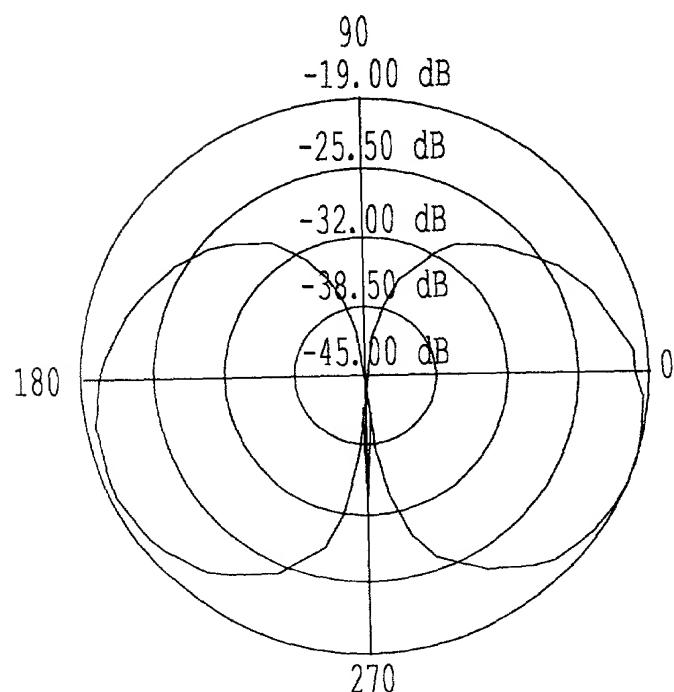


Fig. 11

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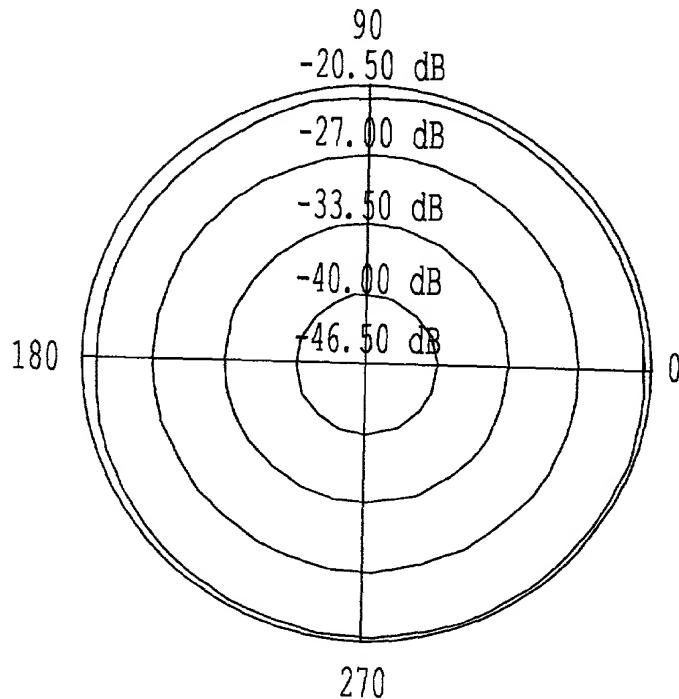
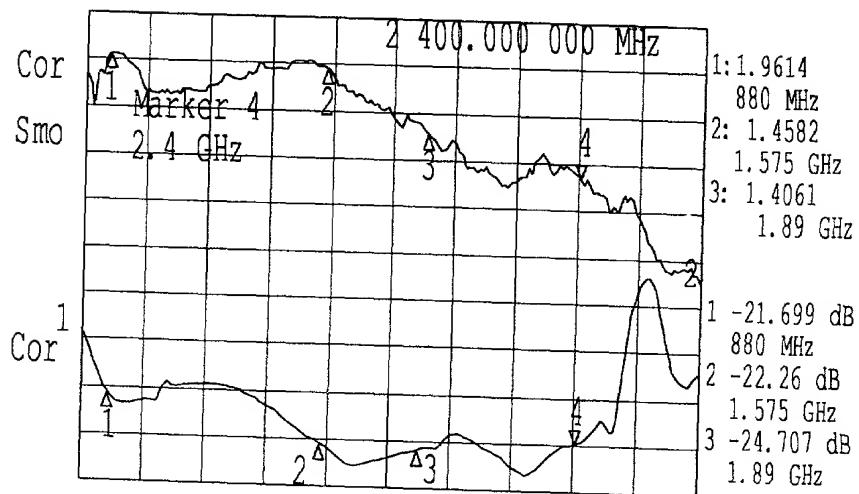


Fig. 12

CH1 S_{11} SWR 500 m/ REF 1 4: 1.5116
CH2 S_{21} log MAG 2dB/ REF -30 dB 4: -26.451 dB



Start 800.000 000 MHz Stop 2 800.000 000 MHz

Fig. 13

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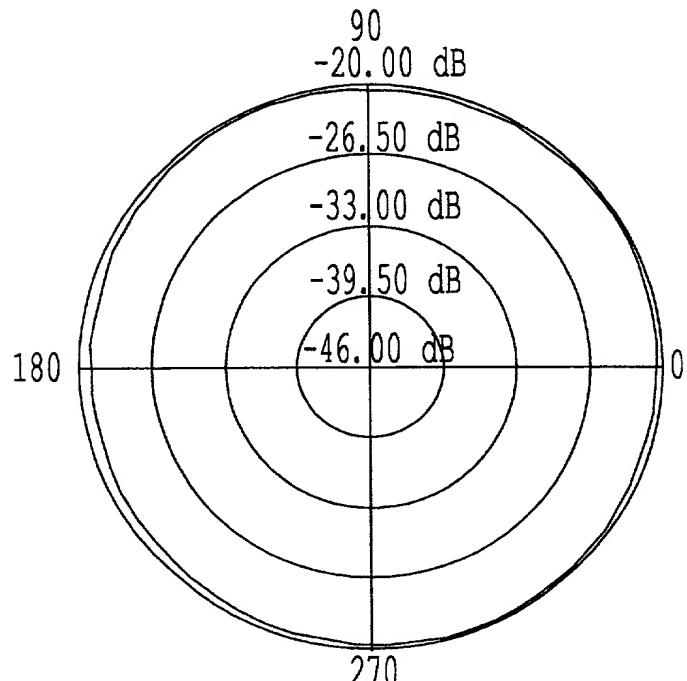


Fig. 14

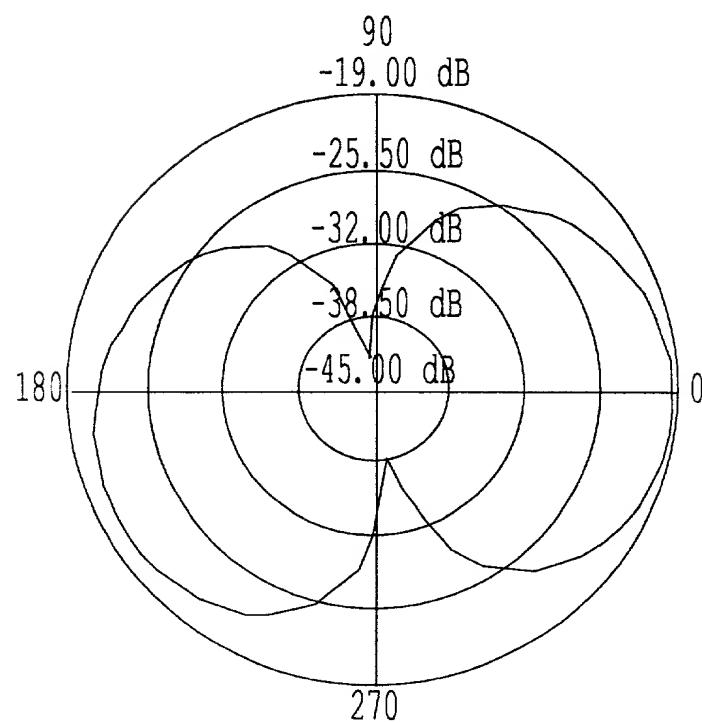


Fig. 15

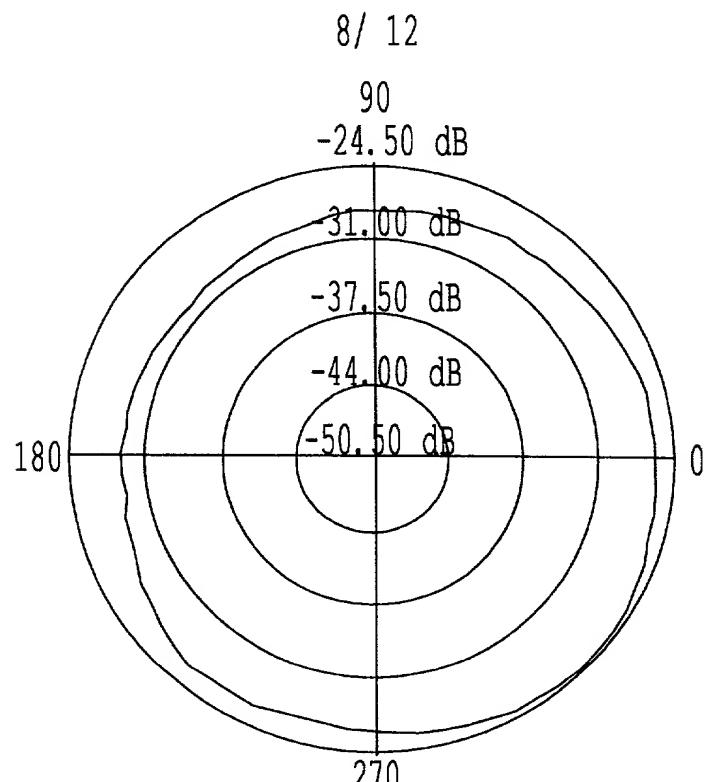


Fig. 16

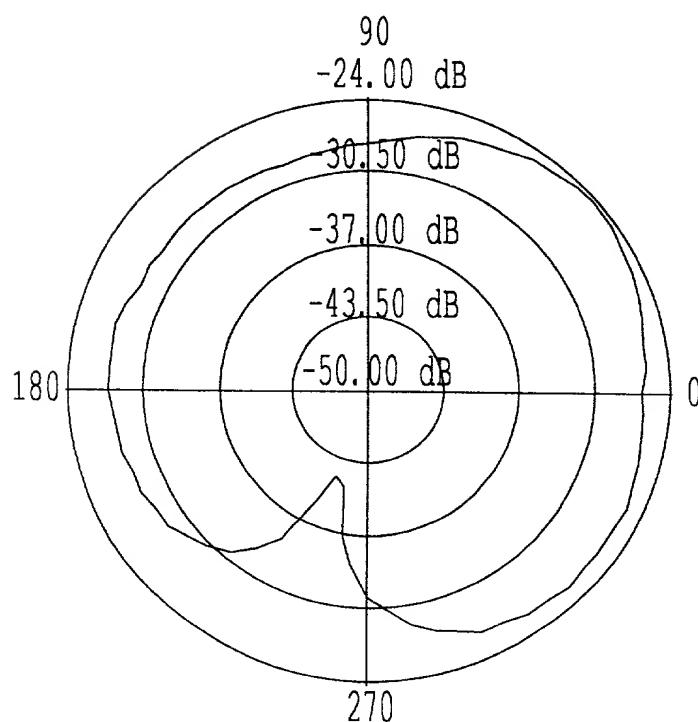


Fig. 17

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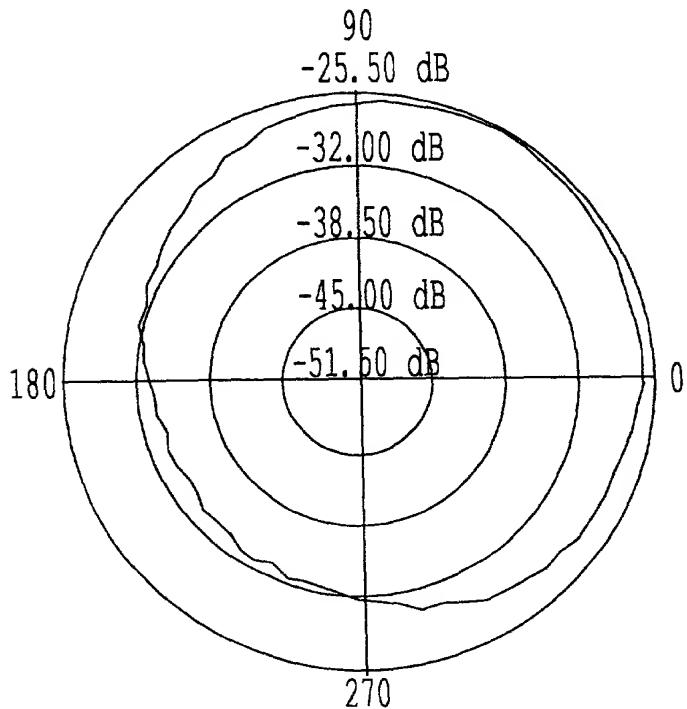


Fig. 18

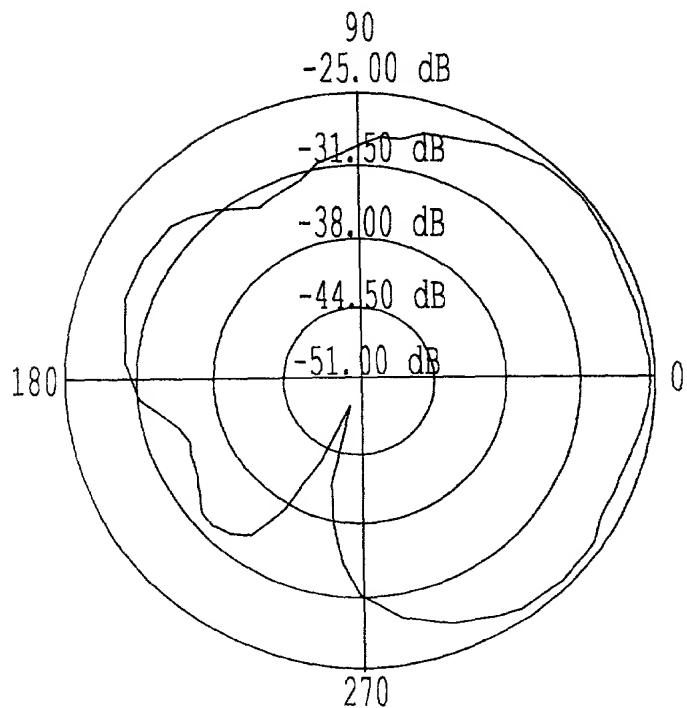
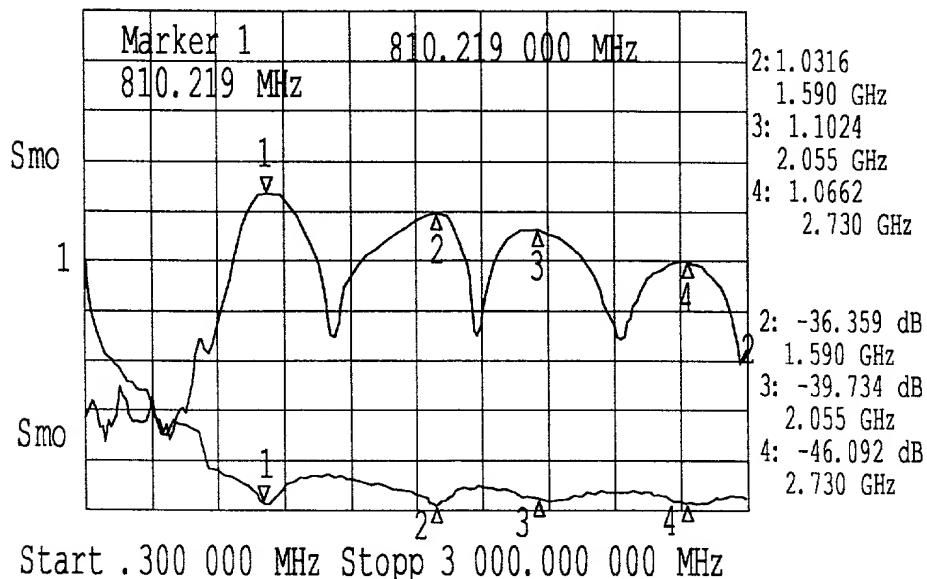


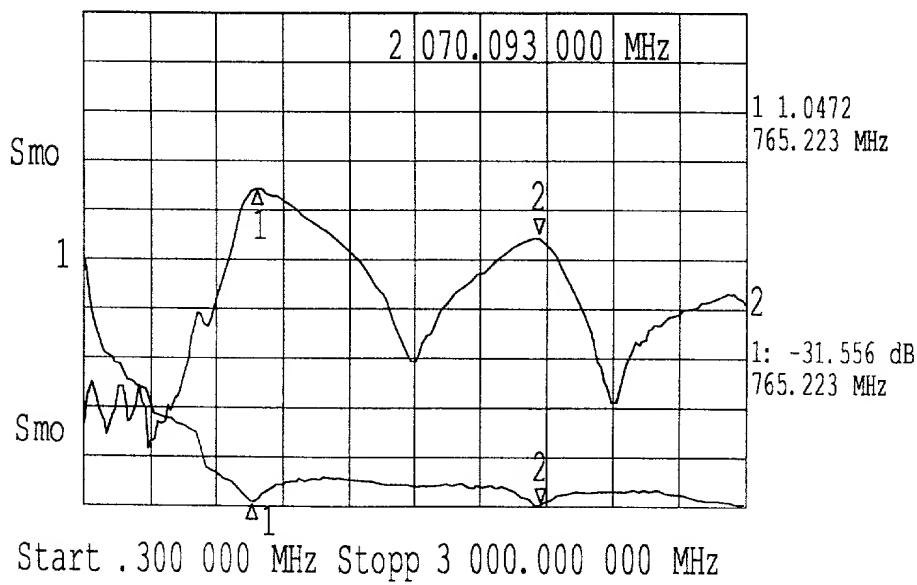
Fig. 19

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CH1 S₁₁ SWR 500 m/ REF 1 1: 1.0578
 CH2 S₂₁ log MAG 10dB/ REF -46 dB 1: -32.589 dB



CH1 S₁₁ SWR 500 m/ REF 1 2 1.028
 CH2 S₂₁ log MAG 10dB/ REF -46 dB 2: -41.628 dB



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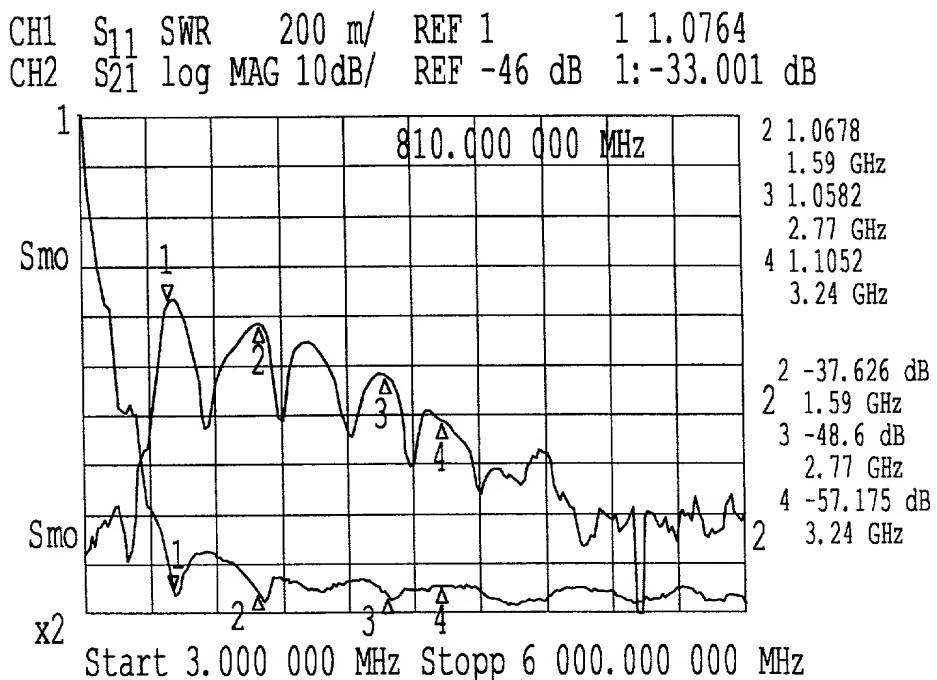


Fig. 22

CH1 S₁₁ SWR 200 m/ REF 1 1 1.0769
 CH2 S₂₁ log MAG 10dB/ REF -46 dB 1:-32.094 dB

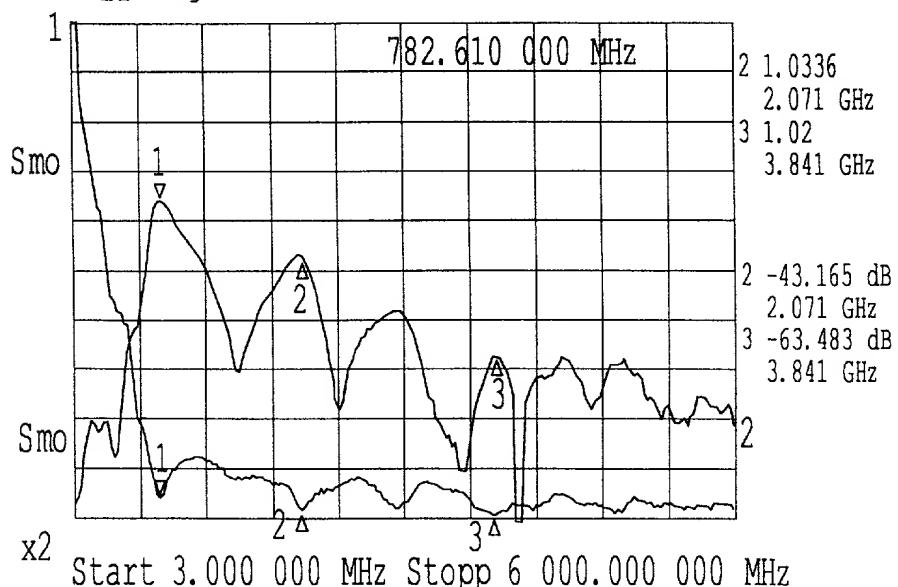


Fig. 23

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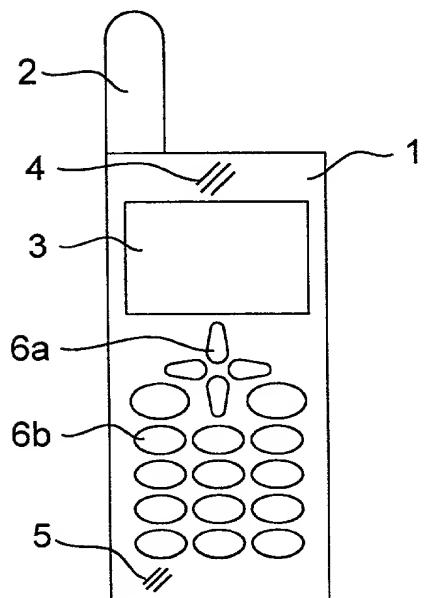


Fig. 24